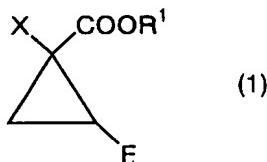


CLAIMS

1. A method of producing
2-fluorocyclopropane-1-carboxylic acid ester, which comprise
allowing a compound represented by the following formula (1):



wherein X represents a chlorine atom, a bromine atom or an iodine atom; and R¹ represents an alkyl group having 1 to 8 carbon atoms, an aryl group having 6 to 12 carbon atoms, an alkenyl group having 2 to 8 carbon atoms, or an aralkyl group consisting of an aryl group having 6 to 12 carbon atoms and an alkylene group having 1 to 6 carbon atoms; to react with a reducing agent in the presence of a phase transfer catalyst.

2. The method according to claim 1, wherein X in the formula (1) is a chlorine atom.

3. The method according to claim 1 or 2, wherein R¹ in the formula (1) is an alkyl group having 1 to 8 carbon atoms.

4. The method according to claim 3, wherein the alkyl group having 1 to 8 carbon atoms is a t-butyl group.

5. The method according to any one of claims 1 to 4, wherein the phase transfer catalyst is a quaternary ammonium salt.

6. The method according to claim 5, wherein the quaternary ammonium salt is tetrabutylammonium bromide.

7. The method according to claim 5, wherein the quaternary ammonium salt is tetrabutylammonium chloride.

8. The method according to claim 5, wherein the quaternary ammonium salt is tetrabutylammonium hydrogen sulfate.

9. The method according to claim 5, wherein the quaternary ammonium salt is trioctylmethylammonium chloride.

10. The method according to any one of claims 1 to 9, wherein the reducing agent is sodium borohydride.